



## **Educational goals and objectives by rotation:**

**Rotation name: Surgery**

**Location: Tufts Medical Center**

**Program Director: Jeffrey Cooper, M.D.**

**Length of Rotation: 8 weeks**

The goal of the Transitional Year Resident during Surgery rotation is to learn patient evaluation and patient selection for surgery on the wards, ICU, in the outpatient clinic, and in the preoperative screening center. Postoperative care is taught by senior residents, fellows, and attendings on their daily rounds and in the outpatient clinic. Frequently the PGY-1 is the first person contacted for both emergency and elective admissions. They are expected to gather the necessary data, review the patient with the senior residents, and ultimately with the attending physician. The operative experience entails the usual spectrum of hernias, biopsies, line placements, open appendectomies, amputations, varicose veins, etc. All TY Residents will learn the basics of surgical technique.

### **Medical Knowledge:**

**Goal:** To achieve detailed knowledge of the evaluation and management of surgical patients.

- Analyze and understand the contents from major surgical textbooks
- Attend and actively discuss readings in the Basic Science Didactic Reading Program
- Use the atlases to understand the approach to basic sciences
- Attend and actively participate in the Resident Competency Program sessions related to Medical Knowledge the Science of Learning, Online Medical Databases, and The Anatomy of a Research Article
- Describe the pathophysiology applied to surgical diseases
- Demonstrate knowledge of normal and distributed physiology causing surgical diseases
- Apply physiological knowledge to the clinical and operative management of surgical diseases both inpatient and outpatient
- Apply investigatory, analytical, and evidence-based approaches to clinical decision making

## **Patient Care:**

**Goal:** The TY resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

- Acquire self-confidence and the ability to develop differential diagnoses and management plans through history and physical examination
- Perform pre and post operative care of patients with the basic understanding of pathophysiology as applied to surgical diseases
- Understand the principles involved in operations, handling of tissues, dissection of tissues planes, suture-ligature techniques and masters "simple" operative procedures
- Master techniques of using and placing Ngs, Foleys, IVs, CVPs, arterial lines, and standard aseptic techniques
- Demonstrate initial management of life threatening surgical illnesses and be adept at resuscitation
- Demonstrate good judgment, safety, and effective technical skills in operative cases
- Attend and actively participate in the Resident Competency Program Sessions on Consent, Surrogacy and the Dying Patient, Palliative Care and End of Life Issues, Culturally Congruent Care and Medical Ethics
- Provide post operative follow up and routine surgical evaluation in the Outpatient Surgical Clinic at Tufts Medical Center/Brockton Hospital

## **Interpersonal and Communication Skills**

**Goal:** The TY Resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

- Interact with peers regarding cases and provide feedback about the scientific literature at the Basic Science Didactic Reading program
- Listen to patients and their families
- Gather essential information from patients; document patient encounters accurately and completely
- Demonstrated effective communication strategies to interact with patients and families from diverse backgrounds
- Attend and actively participate in the Resident Competency Program sessions on Communication and Breaking Bad News, Conflict Management and Person Centered Care
- Provide therapeutic relationships with patients using effective listening skills and candid feedback

- Educate patients and families about the pre-and post operative care of the surgical patient
- Respond promptly and considerately to requests of attending physicians and staff
- Demonstrate effective interpersonal skills with patients, their families and health professionals
- Write orders and progress reports in a coherent legible format

## **Professionalism**

**Goal:** The TY Resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

- Understand and use the chain of command on the resident service
- Respond and answer pages promptly
- Attend and actively participate in the Resident Competency Program Sessions on Professionalism, Medical Ethics, and Billing and Coding of Operative Logs
- Apply time management principles as necessary to be accountable to patients, and other health care professionals
- Be respectful and responsive to the needs of patients
- Demonstrate a commitment to ethical principles, maintain confidentiality of patient information, informed consent, and other business practices
- Complete operative case logs and medical reports in a timely manner

## **Practice Based Learning and Improvement**

**Goal:** The TY Resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

- Analyze, critique and review surgical literature as it applies to evidence-based medicine
- Complete the Resident Self-Assessment twice a year to evaluate one's own performance in the six core competencies
- Use information technology to access medical literature and select treatment strategies
- Use computer technology, simulations and other multimedia resources to increase medical knowledge and operative skills
- Attend and actively participate in didactic presentations such as the Basic Science Reading program, journal club etc.

- Attend and actively participate in the Resident Competency Program Session on Personal Awareness/Self Care and Effective Teamwork
- Teach and be a role model for medical students

## **Systems-Based Practice**

**Goal:** The TY Resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

- Attend and actively participate in the Resident Competency Program Sessions on Systems-Based Practice, HMO's, Medicaid and Medicare Insurance Practices, and Billing and Coding Procedures
- Consult with other members of the health care team to provide cost-effective health care for patients
- Apply cost-effective care in ordering tests and planning interventions
- Provide consultations for other services